



**Waste Management Programs (WM-PROG)**  
**Los Alamos National Laboratory**  
P.O. Box 1663, M969  
Los Alamos, New Mexico 87545  
(505) 667-8160

**National Nuclear Security Administration**  
**Los Alamos Field Office**  
3747 West Jemez Road, A316  
Los Alamos, New Mexico, 87544  
(505) 667-5105/Fax (505) 667-5948

**Date:** AUG 08 2017

**Symbol:** EPC-DO: 17-295

**LA-UR:** 17-27078

**Locates Action No.:**

### **RETURN RECEIPT REQUESTED**

Ms. Siona Briley, STP Project Manager  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East Building 1  
Santa Fe, New Mexico 87505-6303

**Subject: Notice of Completion of Off-Site Waste Shipment For Final Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order, Los Alamos National Laboratory –**

Dear Ms. Briley:

This letter notifies the New Mexico Environment Department (NMED) per Section IX(A)(1), Deletion of Waste in the Federal Facility Compliance Order (FFCO) which requires that the Department of Energy (DOE) and Los Alamos National Security, LLC (LANS) notify the NMED of the shipment off site of waste included in the STP, and provide documentation of the receipt of the waste at an off-site storage facility within 45 days of its receipt.

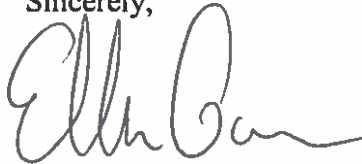
On April 2014, 9 Standard Waste Boxes were shipped to Waste Control Specialist (WCS) in Andrews, Texas facility for temporary off-site storage due to the closure of the Waste Isolation Pilot Plant (WIPP). Due to the fact this was transferred for interim storage, it was not removed from the STP inventory as documented in HWB-LANL-14-026. WIPP is now operational and is accepting waste for final disposal.



This correspondence is notification that 9 Standard Waste Boxes were received by WIPP for Final Disposal in June 2017, as detailed by the enclosed waste manifests. For your reference, included are the MTRU Shipment Detail (Enclosure 1), MTRU Shipment Manifest (Enclosure 2) and the HWB-LANL-14026 (Enclosure 3).

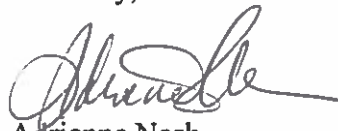
In accordance with the requirements of Section XX of the FFCO, "*Documents, Information, and Reporting Requirements*," we certify, as the project managers responsible for overseeing the implementation of the Site Treatment Plan for the Los Alamos National Laboratory and for Los Alamos Site Office/National Nuclear Security Administration, that, to the best of our knowledge and belief, the information in this document is true, accurate, and complete. If you have any questions, please contact Ellen E. Gammon at (505) 665-5587, or by email at [eboyca@lanl.gov](mailto:eboyca@lanl.gov), or Adrienne L. Nash at (505) 665-5026, or by email at [adrienne.nash@nnsa.doe.gov](mailto:adrienne.nash@nnsa.doe.gov).

Sincerely,



Ellen Gammon  
STP Project Manager  
Waste Management Programs (WM-PROG)  
Los Alamos National Security, LLC

Sincerely,



Adrienne Nash  
STP Project Manager  
Los Alamos Field Office  
U.S. Department of Energy  
National Nuclear Security Administration

EG/AN:aomm

Enclosure 1: MTRU Waste Shipment Detail  
Enclosure 2: MTRU Waste Shipment Manifest  
Enclosure 3: Letter from John E. Kielling\_Notice of Completion of Off-Site Waste Shipment for Storage Pending Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order Los Alamos National Laboratory HWB-LANL-14-0426

Cy: John Kielling, NMED-HWB, (E-File)  
Adrienne L. Nash, LASO-LA, (E-File)  
Jody M. Pugh, NA-LA, (E-File)  
Darlene S. Rodriguez, LASO-NS-LP, (E-File)  
David J. Nickless, EM-LA, (E-File)  
Craig S. Leasure, PADOPS, (E-File)  
William R. Mairson, PADOPS, (E-File)  
Michael T. Brandt, ADESH, (E-File)  
Raeanna R. Sharp-Geiger, ADESH, (E-File)  
Susan L. McMichael, LC-ESH, (E-File)  
John C. Bretzke, EPC-DO, (E-File)  
Benjamin B. Roberts, EPC-DO/ADEM, (E-File)  
Tammy A. Diaz, EPC-WMP, (E-File)  
Alice Olivia Michelle Martinez, EPC-WMP, (E-File)  
David J. Funk, ADEM, (E-File)



Patrice A. Stevens, ADPSM, (E-File)  
Wayne P. Hohs, WD-DO, (E-File)  
Donald L. Allen, WD-WPE, (E-File)  
David E. Frederici, WD-WPE, (E-File)  
Sean B. French, WD-WPE, (E-File)  
Dawn Ramirez, WD-WPE, (E-File)  
Anthony R. Grieggs, EPC-CP, (E-File)  
Mark P. Haagenstad, EPC-CP, (E-File)  
[lasomailbox@nnsa.doe.gov](mailto:lasomailbox@nnsa.doe.gov), (E-File)  
[locatesteam@lanl.gov](mailto:locatesteam@lanl.gov), (E-File)  
[epc-correspondence@lanl.gov](mailto:epc-correspondence@lanl.gov), (E-File)  
[adesh-records@lanl.gov](mailto:adesh-records@lanl.gov), (E-File)



# **ENCLOSURE 1**

## **MTRU Shipment Details Table**

EPC-DO: 17-295

LA-UR: 17-27078

Date: AUG 08 2017





GP Section	Container ID	Waste Stream	Acceptable Knowledge ID	Treatability Group	Manifest No.	Volume Removed from STP Inventory (m3)	Volume Shipped (m3)	Shipment Date
4	LA00000068116	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974083JJJ	1.9	1.9	6/22/2017
4	LA00000068132	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974083JJJ	1.9	1.9	6/22/2017
4	LA00000068250	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974083JJJ	1.9	1.9	6/22/2017
4	LA00000068256	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974083JJJ	1.9	1.9	6/22/2017
4	LA00000068122	LA-MHD04.001-MEMO	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974084JJJ	1.9	1.9	6/29/2017
4	LA00000068135	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974084JJJ	1.9	1.9	6/29/2017
4	LA00000068136	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974084JJJ	1.9	1.9	6/29/2017
4	LA00000068252	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974084JJJ	1.9	1.9	6/29/2017
4	LA00000068254	LA-MHD04.001	CCP-AK-LANL-010	Combustible-Noncombustible Waste	014974084JJJ	1.9	1.9	6/29/2017



# **ENCLOSURE 2**

## **MTRU Shipment Manifests**

**EPC-DO: 17-295**

**LA-UR: 17-27078**

**Date:**                     AUG 08 2017



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NM0890010515		2. Page 1 of 1		3. Emergency Response Phone 505-667-6211		4. Manifest Tracking Number 014974083 JJK	
		5. Generator's Name and Mailing Address WCS on behalf of LANL on behalf of U.S. DOE 9998 W state HWY 175 Albuquerque, TX 79714 Generator's Phone: 432-525-8500		Generator's Site Address (if different than mailing address) Los Alamos National Security LLC for TA-54 West, BLDG 36 Los Alamos, NM					
6. Transporter 1 Company Name Cast Specialty Inc.		U.S. EPA ID Number CQRC00206722		7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address USDOE in care of WPP Nuclear Waste Partnership 30 miles SE of Carlsbad on Jal Highway Carlsbad, NM 88221 USA Facility's Phone: 575-234-8125		U.S. EPA ID Number NM4690139088							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X 1	RQ UN2915, Waste, Radioactive Material, Type B(U) Package, 1661le excepted, 7, Am-241, Pu-238, Pu-239, Pu-240, Pu-241, 2.51E-01 TBq, Solid/Oxide, Radioactive Yellow-II, T=0.4, USA/9218/B(U)F-96, TP-127			1	CM	1507	K	F001 F002 F005 D004 D005 D006
	X 2	RQ UN2915, Waste, Radioactive Material, Type B(U) Package, 1661le excepted, 7, Am-241, Pu-238, Pu-239, 2.47E-02 TBq, Solid/Oxide, Radioactive Yellow-II, T=0.4, USA/9218/B(U)F-96, TP-137			1	CM	1133	K	F001 F002 F005 D004 D005 D006
	X 3	RQ UN2915, Waste, Radioactive Material, Type B(U) Package, 1661le excepted, 7, Am-241, Pu-238, Pu-239, Pu-240, Pu-241, 6.07E-03 TBq, Solid/Oxide, Radioactive Yellow-II, T=0.4, USA/9218/B(U)F-96, TP-170			1	CM	1058	K	F001 F002 F005 D004 D005 D006
	4.								
14. Special Handling Instructions and Additional Information Shipment#WC170003; ERG#163; Tractor # C-40, Trailer # C-362; Gross Weight TP#127-7211 KG, TP#137-7110 KG, TP#170-6873 KG, LA00000068250/14-108441; LA00000068244/14-108439; LA00000068116/14-103437; LA00000068277/14-108535; LA00000068132/14-103473; LA00000068255/14-108517									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offor's Printed/Typed Name Steve Williams Signature Month Day Year 16 22 17									
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.								
	Transporter signature (for exports only)								
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Henry Leyva Signature Month Day Year 16 22 17								
	Transporter 2 Printed/Typed Name Signature Month Day Year								
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:								
	18b. Alternate Facility (or Generator) U.S. EPA ID Number								
	Facility's Phone:								
	18c. Signature of Alternate Facility (or Generator) Month Day Year								
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name Signature Month Day Year									



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NM0890010515		2. Page 1 of 1	3. Emergency Response Phone 505-667-6211		4. Manifest Tracking Number <b>014974084 JJK</b>		
		5. Generator's Name and Mailing Address WCS on behalf of LANL on behalf of U.S. DOE 9998 W state HWY 176 Andrews, TX 79714		Generator's Site Address (if different than mailing address) Los Alamos National Security LLC for TA-54 West, BLDG 38 Los Alamos, NM					
6. Transporter 1 Company Name Cast Specialty Inc.		U.S. EPA ID Number COR000205722							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address USDOE in care of WIPP Nuclear Waste Partnership 30 miles SE of Carlsbad on Jct Highway Carlsbad, NM 86221 USA		U.S. EPA ID Number NM4690139088							
Facility's Phone: 575-234-8125									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1	RQ J12915, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, Pu-238, Pu-239, Pu-240, 4.51E-02 TBq, Solid/Oxide, Radioactive Yellow-II, T=0.4, USA9218/B(U)F-35, TP-125			1 CM		1176	K	F001 F002 F005 D004 D005 D006
	2	RQ J12915, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, Pu-238, Pu-239, Pu-240, 6.12E-02 TBq, Solid/Oxide, Radioactive Yellow-II, T=0.4, USA9218/B(U)F-96, TP-133			1 CM		921	K	F001 F002 F005 D004 D005 D006
	3	RQ J12915, Waste, Radioactive Material, Type B(U) Package, fissile excepted, 7, Am-241, Pu-238, Pu-239, Pu-240, 6.12E-02 TBq, Solid/Oxide, Radioactive Yellow-II, T=0.4, USA9218/B(U)F-96, TP-154			1 CM		939	K	F001 F002 F005 D004 D005 D006
	4								
14. Special Handling Instructions and Additional Information Shipment #A/C170004; ERG#163; Tractor # C-40; Trailer # C-348; Gross Weight TP#126-6735 KG, TP#133-6775 KG, TP#164-6733 KG; LA00000068252/14-108510; LA00000068279/14-108531; LA00000068122/14-108438; LA00000068135/14-108483; LA00000068125/14-108512; LA00000068135/14-108490									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offeror's Printed/Typed Name <i>Steve Williams</i>		Signature <i>[Signature]</i>					Month Day Year <i>10/29/17</i>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>Henry Leysa</i> Signature <i>[Signature]</i> Month Day Year <i>10/29/17</i> Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____									
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number: _____								
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number			
	Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1.		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name _____ Signature _____ Month Day Year _____									





## **ENCLOSURE 3**

**NMED LETTER\_ July 17 2014\_ Notice of  
Completion of Off-site Waste Shipment for  
Storage Pending Disposal**

**EPC-DO: 17-295**

**LA-UR: 17-27078**

**Date: AUG 08 2017**

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SUSANA MARTINEZ  
Governor  
JOHN A. SANCHEZ  
Lieutenant Governor

**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505-6303  
Phone (505) 476-6000 Fax (505) 476-6030  
[www.nmenv.state.nm.us](http://www.nmenv.state.nm.us)



RYAN FLYNN  
Cabinet Secretary  
BUTCH TONGATE  
Deputy Secretary

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

July 17, 2014

Mr. Andrew Worker  
STP Project Manager  
Los Alamos Field Office  
National Nuclear Security Administration  
3747 West Jemez Road, MS A316  
Los Alamos, NM 87544

Ms. Monica Noll  
STP Project Manager  
Waste Management Programs (WM-PROG)  
Los Alamos National Laboratory  
P.O. Box 1663, MS-K996  
Los Alamos, NM 87545

**RE: NOTICE OF COMPLETION OF OFF-SITE WASTE SHIPMENT FOR  
STORAGE PENDING DISPOSAL, ACTIVITY 4.0, COMPLIANCE PLAN, SITE  
TREATMENT PLAN, FEDERAL FACILITY COMPLIANCE ORDER  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-14-026**

Dear Mr. Worker and Ms. Noll:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security, LLC (LANS) (collectively, the Respondents) *Notice of Completion of Off-Site Waste Shipment for Storage Pending Disposal, Activity 4.0, Compliance Plan, Site Treatment Plan, Federal Facility Compliance Order, Los Alamos National Laboratory* dated May 14, 2014, and received May 15, 2014, and referenced by WM-DO-14-039 and LA-UR-14-23406.

NMED has reviewed shipment activity and enclosed manifest and has the following comment:

**Comment:**

On February 14, NMED received notice of a release at the Waste Isolation Pilot Plant (WIPP) nuclear waste repository. The DOE identified that drum 68660 experienced an energetic chemical reaction which ultimately led to the release of radioactive material. Drum 68660 is part

Mr. Worker and Ms. Noll  
July 17, 2014  
Page 2


a nitrate salt waste stream identified as LA-MIN02-V.001. As stated in this manifest, approximately 153 containers from this waste stream were shipped to Waste Control Specialist, LLC, Texas (WCS) for temporary storage pending the reopening of WIPP between April 1-22, 2014.

As required by the NMED, the Permittees submitted the *Revised LANL Nitrate Salt-Bearing Waste Container Isolation Plan* on May 29, 2014, and the Permittees have begun to isolate all drums containing the associated nitrate salt-bearing waste stream (LA-MIN02-V.001). The Permittees report that these drums have been placed in standard waste boxes and are under continuous air and thermal monitoring (as of June 6, 2014).

The cause of the chemical reaction is still under investigation, and the need for additional remediation on these containers is unknown. In light of recent events, and the potential need to re-remediate all nitrate salt-bearing waste, NMED has determined that the removal of mixed transuranic waste (mixed-TRU) from the site treatment plan (STP) will be placed on hold until more information becomes available and it becomes clear that the waste currently stored at WCS will not be returned to LANL.

Please contact Siona Briley of my staff at (505) 476-6049 should you have any questions or concerns.

Sincerely,



John E. Kieling  
Chief  
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB  
N. Dhawan, NMED HWB  
T. Hall, NMED HWB  
S. Briley, NMED HWB  
S. Yanicak, NMED DOE OB, MS J993  
A. Dorries, ENV-DO

File: LANL, Site Treatment Plan 4.0, May 14, 2014 and  
Fiscal Year 2014.